



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755
Telephone (206) 764-3495
ATTN: Suzanne Skadowski, Project Manager

Public Notice Date: September 26, 2005
Expiration Date: October 26, 2005
Reference: 200500969
Name: City of Seattle Parks and Recreation

Interested parties are hereby notified that an application has been received for a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings.

APPLICANT: City of Seattle Parks and Recreation
800 Maynard Avenue South, Suite 300
Seattle, Washington 98134-1336
ATTN: Toby Ressler
Telephone: (206) 615-1482

LOCATION: In Lake Union at Seattle, Washington.

WORK: The proposed project will be constructed in two phases. Phase 1 construction will include:

A new 350 foot-long steel sheet pile bulkhead will be constructed 6 feet waterward of the existing bulkhead west of the Armory building.

Along the north edge of the park, material will be excavated from behind the existing sheet pile bulkhead followed by installation of a 2:1 slope articulated concrete block blanket and 1.5:1 riprap slope. The sheet piles will be cut off 5 to 15 feet below ordinary high water (OHW), leaving the lower portions to retain the slope. The riprap slope will extend from the top of the cut-off sheet piles to the natural lakebed at the toe of the slope, creating a continuous slope from waterline to lakebed. Pea gravel/sand fish mix will be added to the concrete block blanket and riprap slope to fill interstitial spaces. After laying back the north wall the post construction waterline will lay approximately 25 feet landward of the existing waterline.

A pedestrian bridge will be constructed over waterway 3 eastward from Westlake Avenue North to the upland area on the east side of waterway 3. The bridge will be cantilevered from upland abutments on the east and west slopes of waterway 3 and suspended 12 feet above OHW.

Phase 2 project construction will include:

A boat launching beach will be created for kayaks and canoes along the western shoreline of waterway 3, adjacent to an existing boat launching dock. An existing United Indians of All Tribes carving shed will be relocated adjacent to the new beach and a new longhouse will also be built. The beach will be constructed by cutting back the shoreline to an 8:1 slope, underlain with filter fabric and a stone blanket, anchored with rock, and covered with an 18-inch layer of pea gravel/sand fish mix.

An existing retaining wall on the southwest corner of waterway 4 will be removed and the shoreline will be sloped, stabilized with landscaped retaining walls, covered with erosion control blanket, soil, and jute, and planted to retain the inland roadway at the top of the bank. On the western shore of waterway 4 north of the retaining wall, 230 linear feet of the existing shore will be graded, covered with erosion control blanket and planted. Debris and approximately 200 existing wood piling and 7 wood dolphins will be removed. Portions of the unarmored shoreline will be cut back to slopes of 3:1, 2.5:1, and 2:1, lined with filter fabric, stabilized with an articulated concrete blanket or erosion control blanket, and covered with fish mix to fill in the interstices. The cutback slopes above OHW will be covered with fish mix/topsoil and vegetated.

Additional project activities to be conducted in uplands include:

A wooden boardwalk will be constructed on land above the OHW line along the eastern edge of waterway 3. Timber terraces will be constructed on land along the northern slope and will extend eastward from the northwest corner of the bulkhead wall to the end of Terry Avenue North. A 20-foot-wide concrete shoreline pathway will be constructed along waterway 3 above OHW to connect the west bulkhead boardwalk to the Valley Street/Westlake Avenue North intersection.

A circular, concrete model boat pond and an interactive fountain will be constructed adjacent to waterway 3. The pond will be 100 feet in diameter, 24 inches deep and surrounded by grass. The fountain will be approximately 310 feet long and 12 feet wide. The pond and fountain will be designed to preclude fish access to and from Lake Union and equipped with circulation and filtering systems to maintain water quality.

PURPOSE: The purpose of the project is to re-develop South Lake Union Park in order to support large civic and community events, and to provide improved waterfront access to park users.

ADDITIONAL INFORMATION: Following completion of excavation activities the applicant will conduct sediment sampling and analysis of the post-excavation surface material to verify compliance with the Washington State "anti-degradation policy" contained in the Sediment Management Standards Rule. The surface material will be tested according to the procedures specified by the Dredged Materials Management Program (DMMP), a multi-agency program for the evaluation of dredged material in Puget Sound. The DMMP evaluations may include both chemical and biological testing of sediments. The sediment testing data will be available at the U.S. Army Corps of Engineers (Corps), Seattle District, Dredged Material Management Office.

ENDANGERED SPECIES: The Endangered Species Act (ESA) of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The Puget Sound Chinook (*Oncorhynchus tshawytscha*), coastal-Puget Sound bull trout (*Salvelinus confluentus*), and Bald eagle (*Haliaeetus leucocephalus*), listed threatened in the state of Washington, occur in the proposed project area. After receipt of comments from this public notice, the Corps will evaluate the potential project impacts to the Chinook salmon, bull trout, and bald eagle and will initiate consultation under Section 7 of the ESA with the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH for Pacific salmon. If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. Known historic properties occur in the vicinity of the proposed project. As part of the project, the 1897 Pacific schooner *Wawona* will be relocated to the north end of Lake Union. The Corps has determined that the proposed project would not adversely affect this or any other historic property. In addition, the permit area has been so extensively modified by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property.

The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area. This public notice initiates consultation under Section 106 of the National Historic Preservation Act (36 CFR 800.4[a][3]), with any Tribe that has information or concerns with historic properties in the proposed permit area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The proposed discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the Clean Water Act. These guidelines require an alternative analysis for any proposed discharge of dredged or fill material into waters of the United States.

ADDITIONAL EVALUATION: The State of Washington is reviewing this work for consistency with the approved Washington Coastal Zone Management Program and for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act.

This proposal is the subject of Shorelines Substantial Development Permits No. 3003264, -268, -269, and -318, being processed by the City of Seattle Department of Planning and Development.

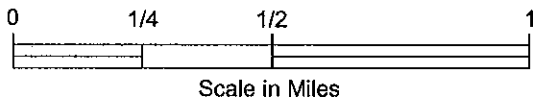
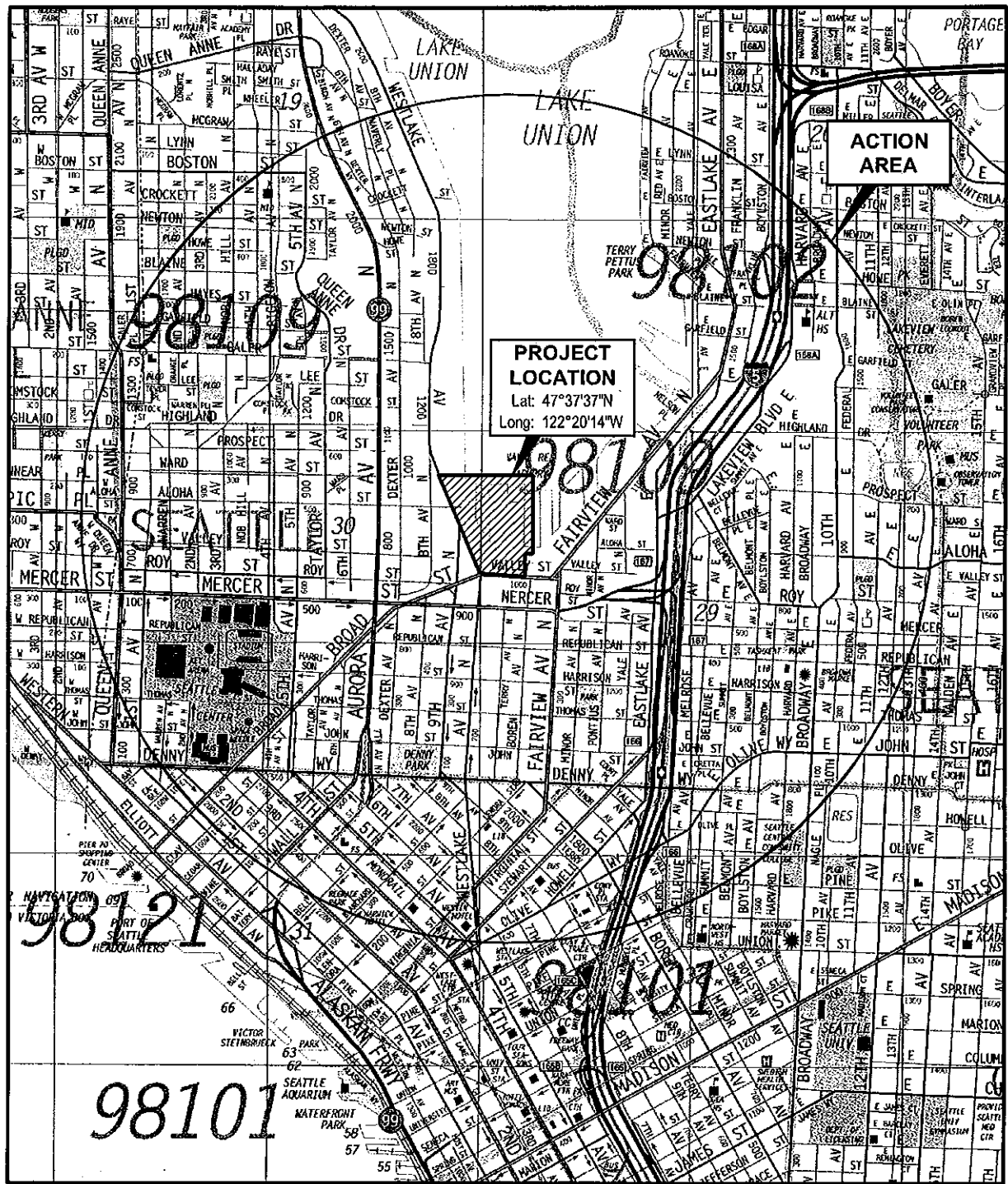
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. E-mail comments should be sent to Suzanne.A.Skadowski@usace.army.mil.

Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 3755, Seattle, Washington, 98124-3755. Both conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

City of Seattle Parks and Recreation, 200500969

Encl

Drawings (15)

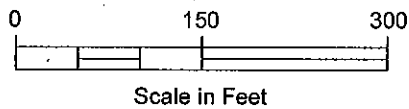
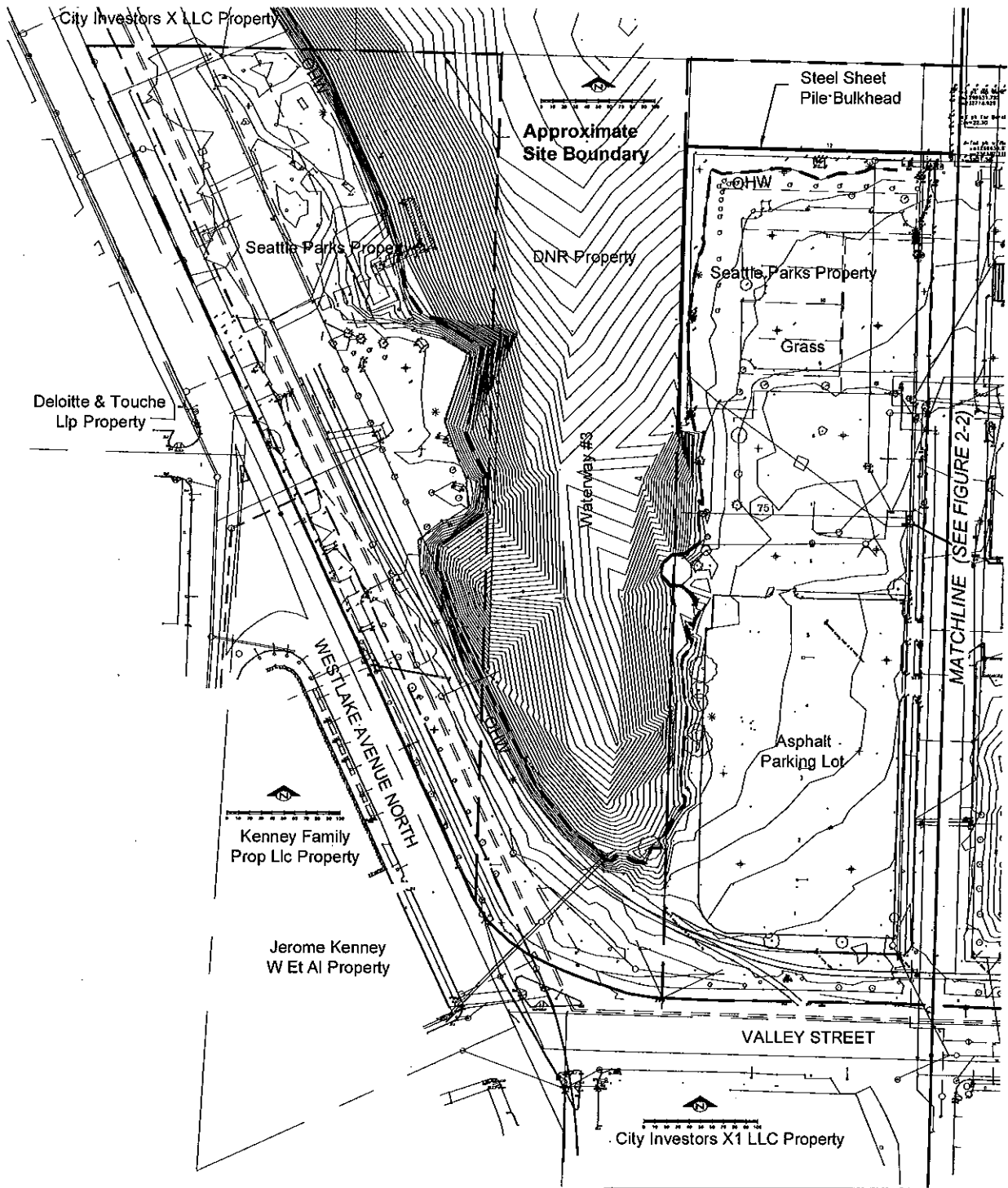


Reference: 200500969 Date: August, 2005
App. By: Seattle Parks & Recreation
In: Lake Union, Seattle, WA
Proposed Work: Bulkhead Replacement and
Shoreline Cleanup
Purpose: Redevelop South Lake Union Park
Adjacent Property Owners:
1. Vulcan Real Estate Development
2. Dept. of Natural Resources

VICINITY MAP

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Geotechnical and Environmental Consultants

FIG. 1
Sheet 1 of 15



LEGEND

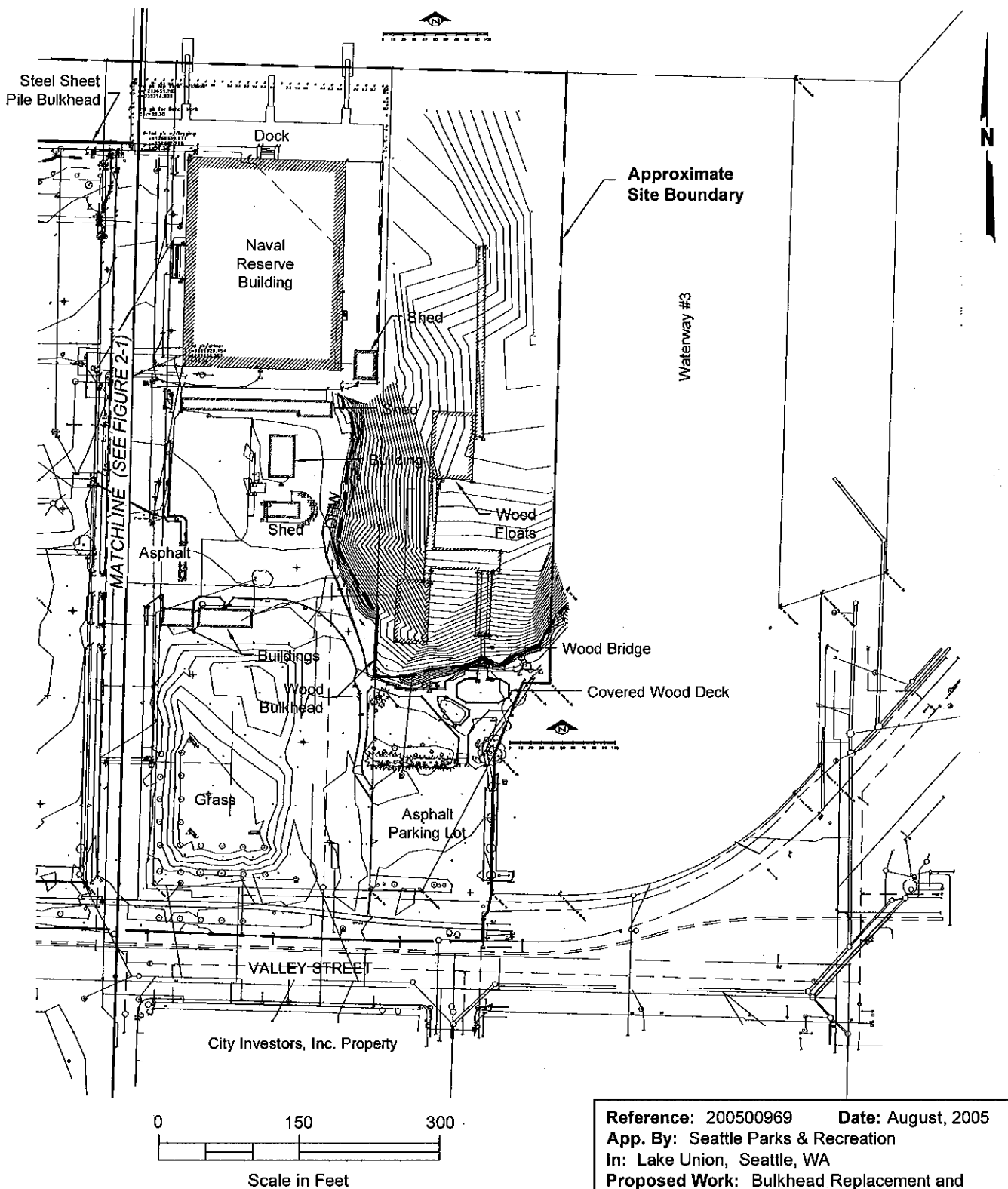
----- Ordinary High Water Line (OHW)
(EI 21.8 Corps 1919)

Reference: 200500969 **Date:** August, 2005
App. By: Seattle Parks & Recreation
In: Lake Union, Seattle, WA
Proposed Work: Bulkhead Replacement and Shoreline Cleanup
Purpose: Redevelop South Lake Union Park
Datum: COE1919 (Where Noted)
Adjacent Property Owners:
 1. Vulcan Real Estate Development
 2. Dept. of Natural Resources

EXISTING CONDITIONS-WEST

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FIG. 2-1
 Sheet 2 of 15



LEGEND

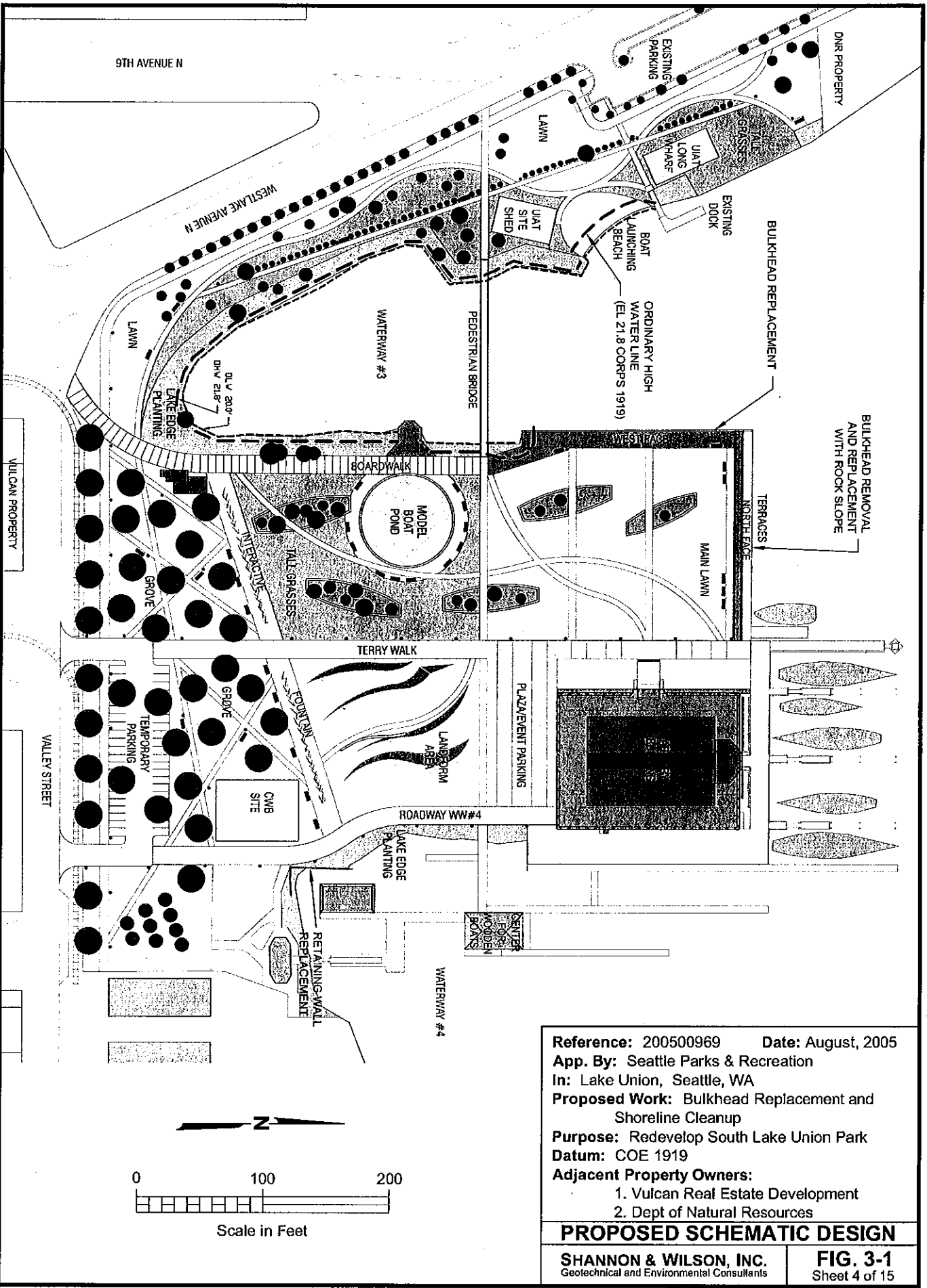
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Datum: COE1919 (Where Noted)
Adjacent Property Owners:
Vulcan Real Estate Development
Dept. of Natural Resources

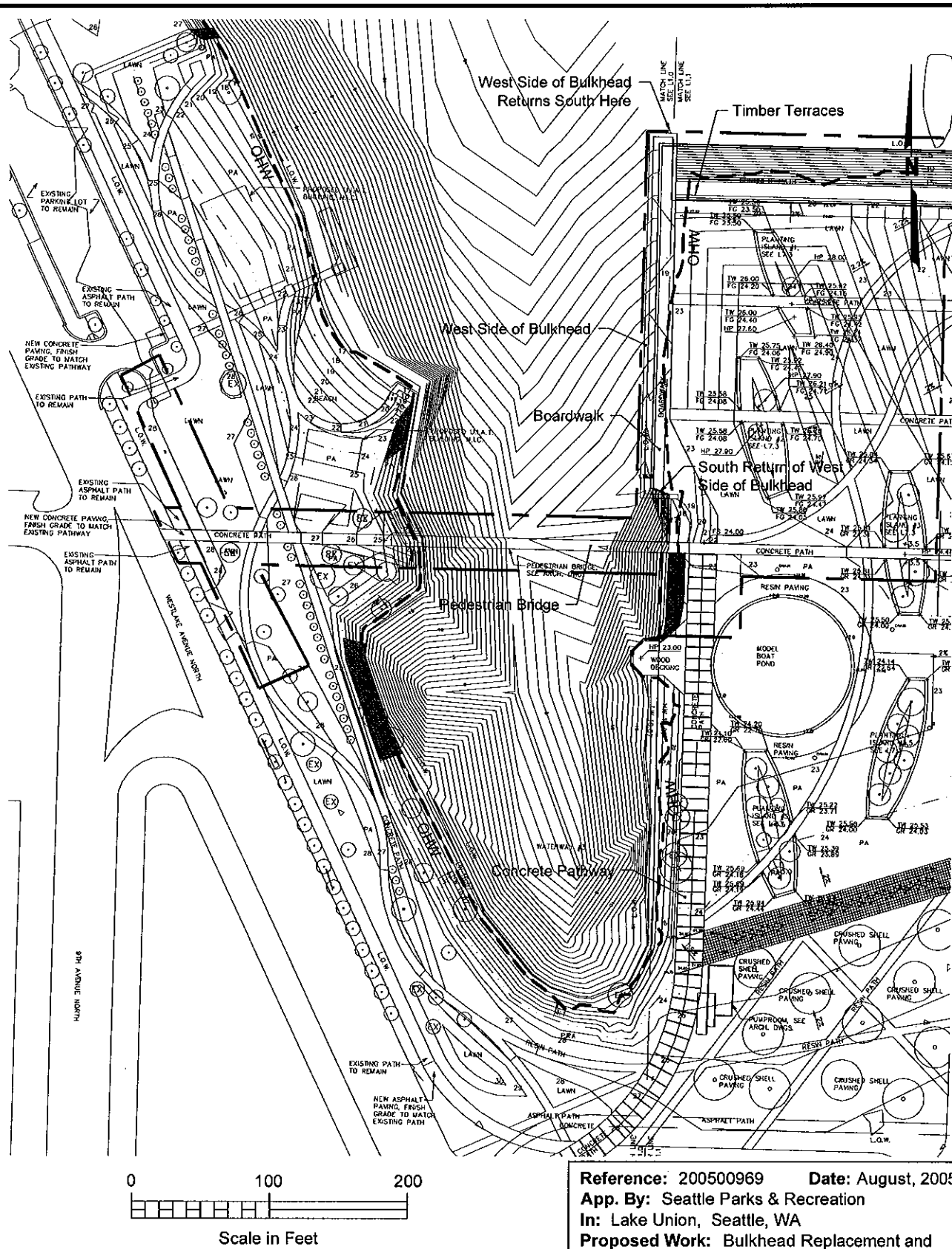
EXISTING CONDITIONS-EAST

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Geotechnical and Environmental Consultants

FIG. 2-2
Sheet 3 of 15



Reference: 200500969 Date: August, 2005
 App. By: Seattle Parks & Recreation
 In: Lake Union, Seattle, WA
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 Purpose: Redevelop South Lake Union Park
 Datum: COE 1919
 Adjacent Property Owners:
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 2. Dept of Natural Resources



Reference: 200500969 Date: August, 2005
 App. By: Seattle Parks & Recreation
 In: Lake Union, Seattle, WA
 Proposed Work: Bulkhead Replacement and Shoreline Cleanup
 Purpose: Redevelop South Lake Union Park
 Datum: COE1919 (Where Noted)

PROPOSED WORK-WEST

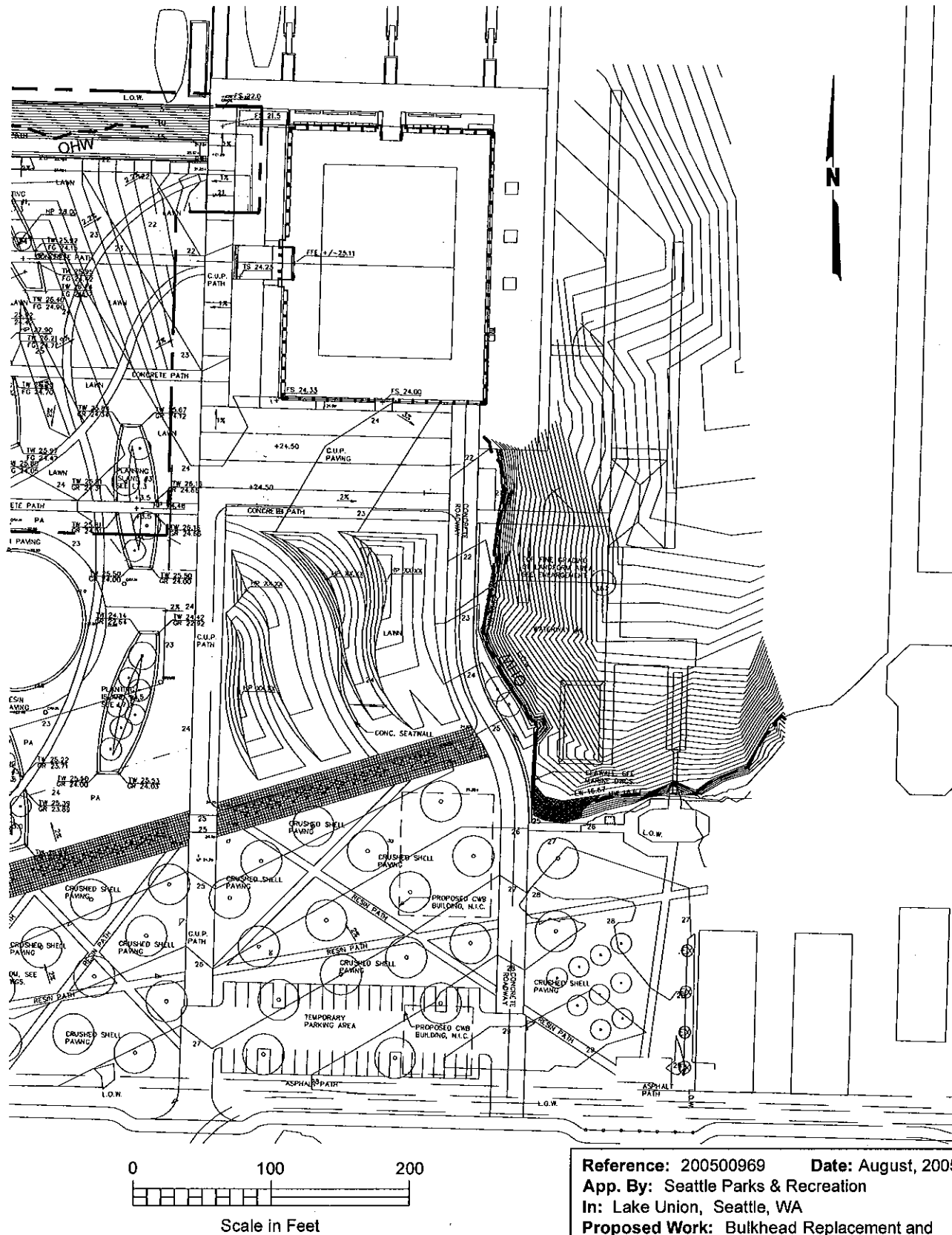
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FIG. 3-2
 Sheet 5 of 15

FIG. 3-3
Sheet 6 of 15

This figure is adapted from files SLPK205-PRO-L1.1-Grading-E.dwg "L1.1, Grading Plan - East," cdplan1.dwg, and contours.dwg, received 7-21-05.

File: J:\211\12163-004\Ref 200500969 Figs\21-1-12163-004 Fig 3-2, 3-3, 3-4 (Dept. of Army).dwg Layout: 3-4 Date: 09-08-2005, 5:23 PM Author: LR



LEGEND

--- Ordinary High Water Line (OHW)
(El 21.8 Corps 1919)

Reference: 200500969 **Date:** August, 2005
App. By: Seattle Parks & Recreation
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Purpose: Redevelop South Lake Union Park
Datum: COE1919 (Where Noted)

PROPOSED WORK-EAST

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FIG. 3-4
Sheet 7 of 15

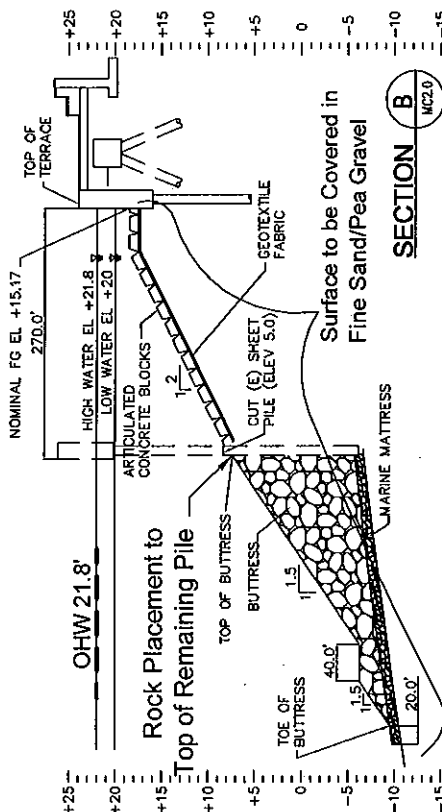
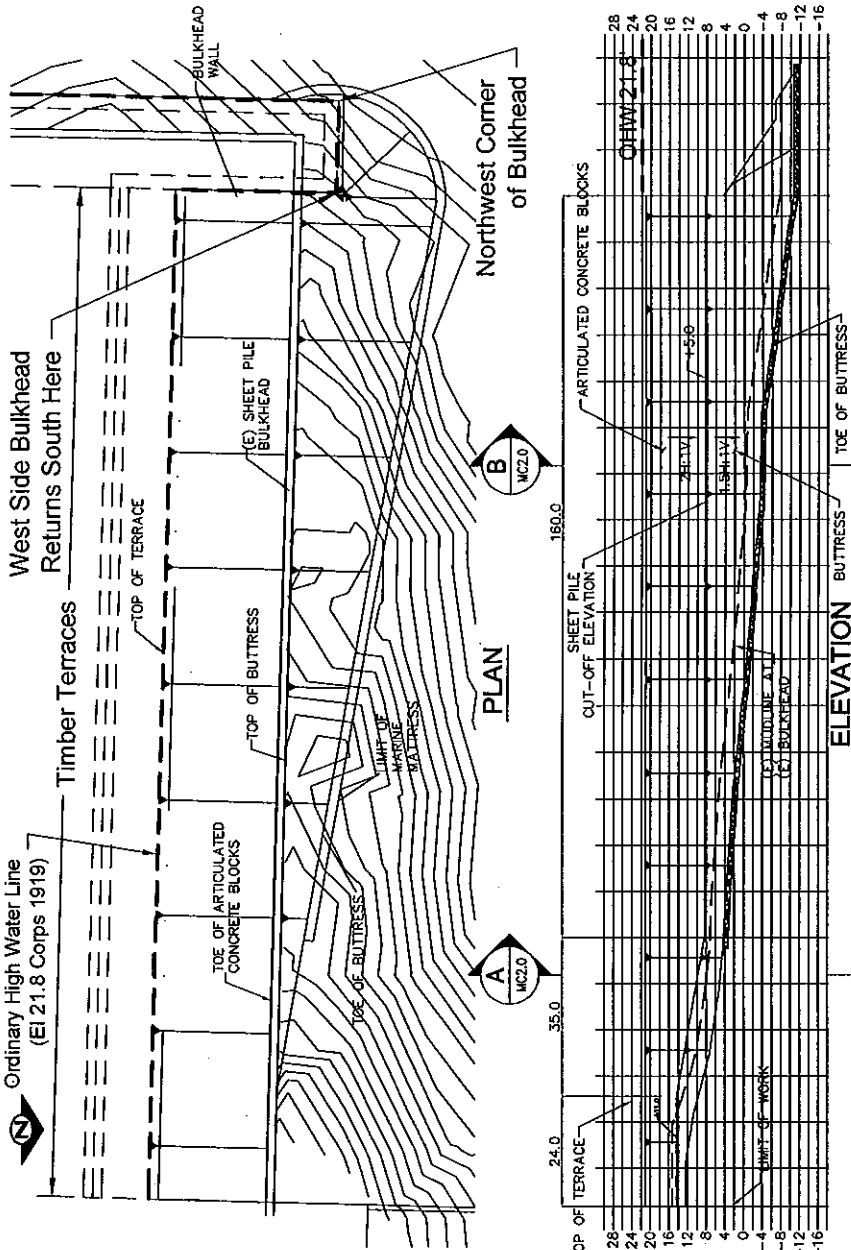


FIG. 3-5
Sheet 8 of 15

Reference: 200500969 **Date:** August, 2005

App. By: Seattle Parks & Recreation

In: Lake Union, Seattle, WA

Proposed Work: Bulkhead Replacement and

Shoreline Cleanup

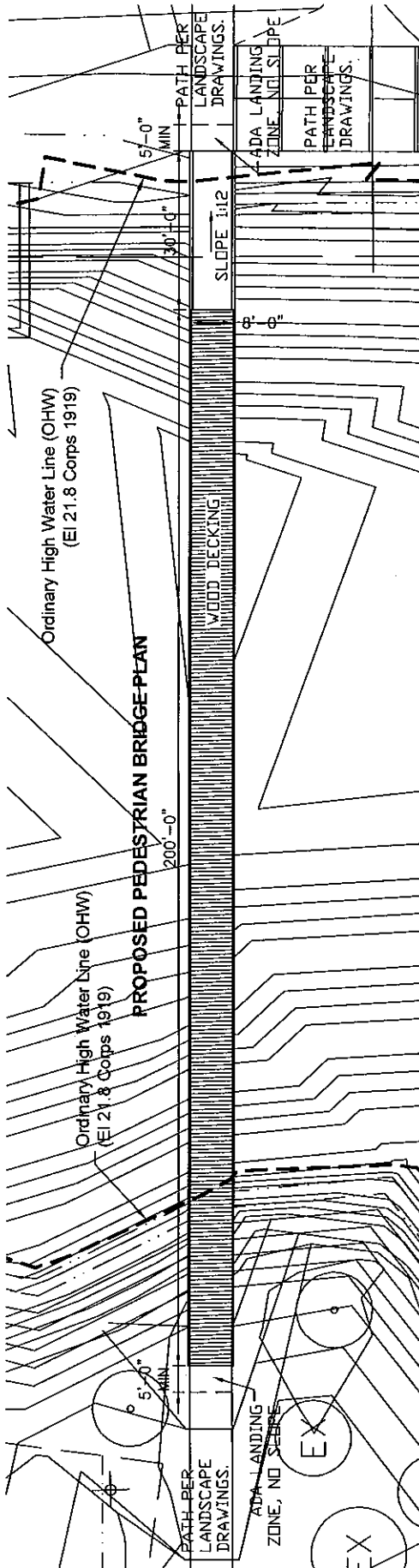
Purpose: Redevelop South Lake Union Park

Datum: COE1919

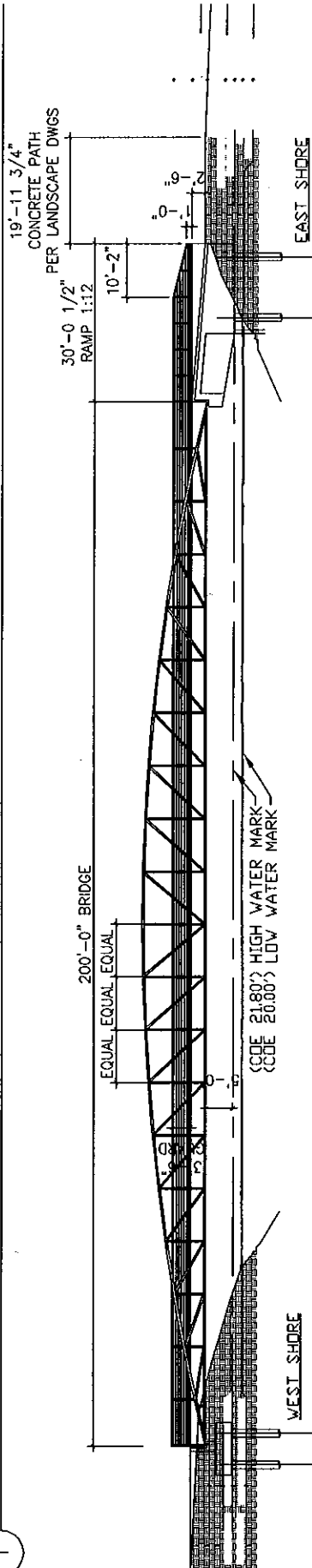
NORTH SLOPE PROTECTION

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

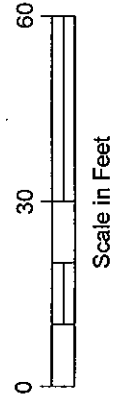
FIG. 3-5
Sheet 8 of 15



1 PLAN DIAGRAM



5 ELEVATION DIAGRAM



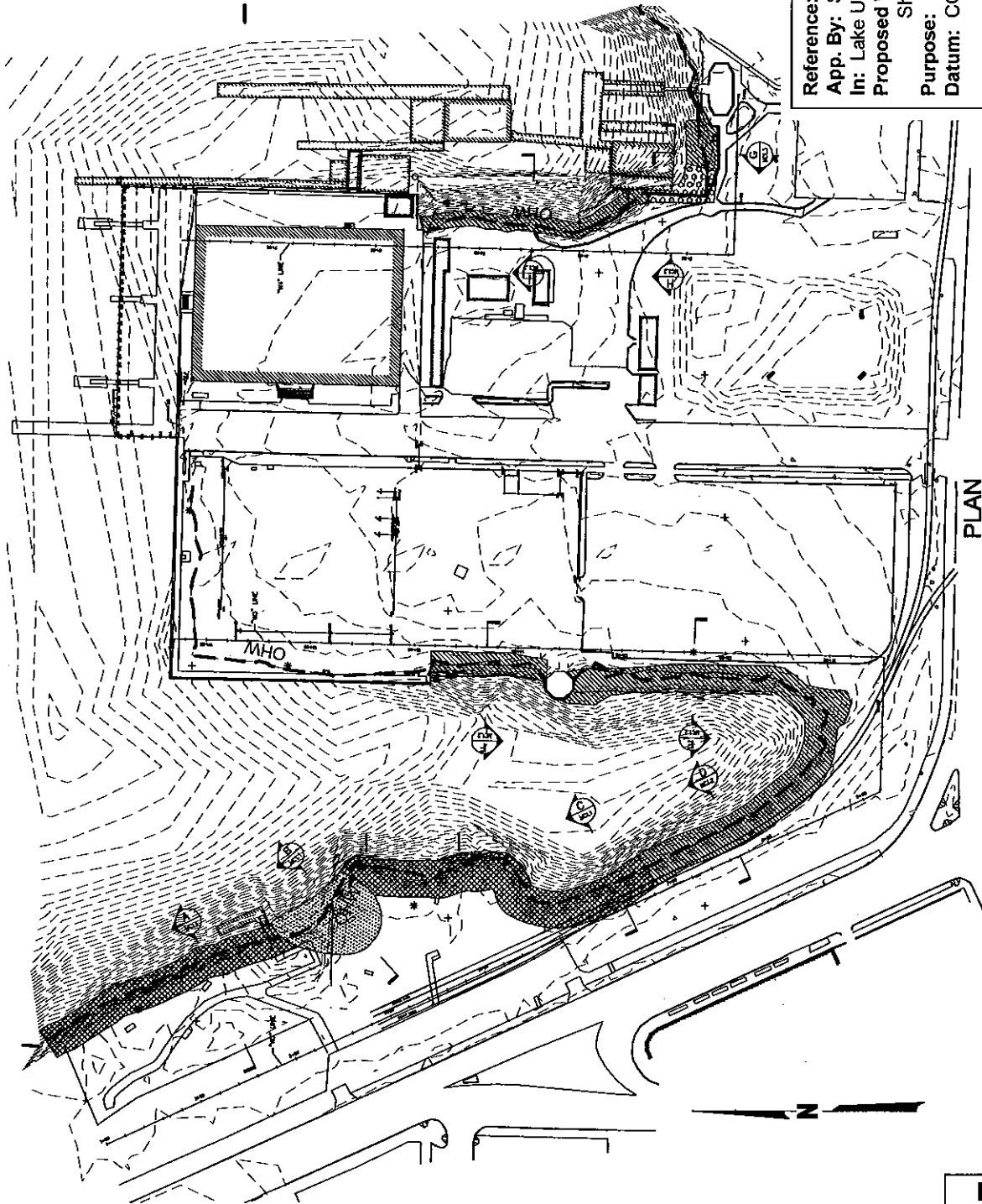
Reference: 200500969 Date: August, 2005
 App. By: Seattle Parks & Recreation
 In: Lake Union, Seattle, WA
 Proposed Work: Bulkhead Replacement and
 Shoreline Cleanup
 Purpose: Redevelop South Lake Union Park
 Datum: COE1919

PLAN AND ELEVATION

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FIG. 3-6
 Sheet 9 of 15


FIG. 3-6





LEGEND

--- Ordinary High Water Line (OHW)
(El. 21.8 Corps 1919)

 Articulated Concrete Block Blanket

 River Run Pebble & Cobble Beach

 Erosion Control Blanket

 Erosion Control Blanket With Landscape Retaining Walls

All shaded areas above covered in fine sand/gravel mix below high water, and soil or sand/gravel mix above high water.

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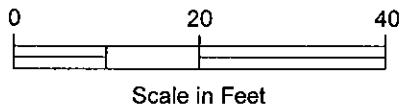
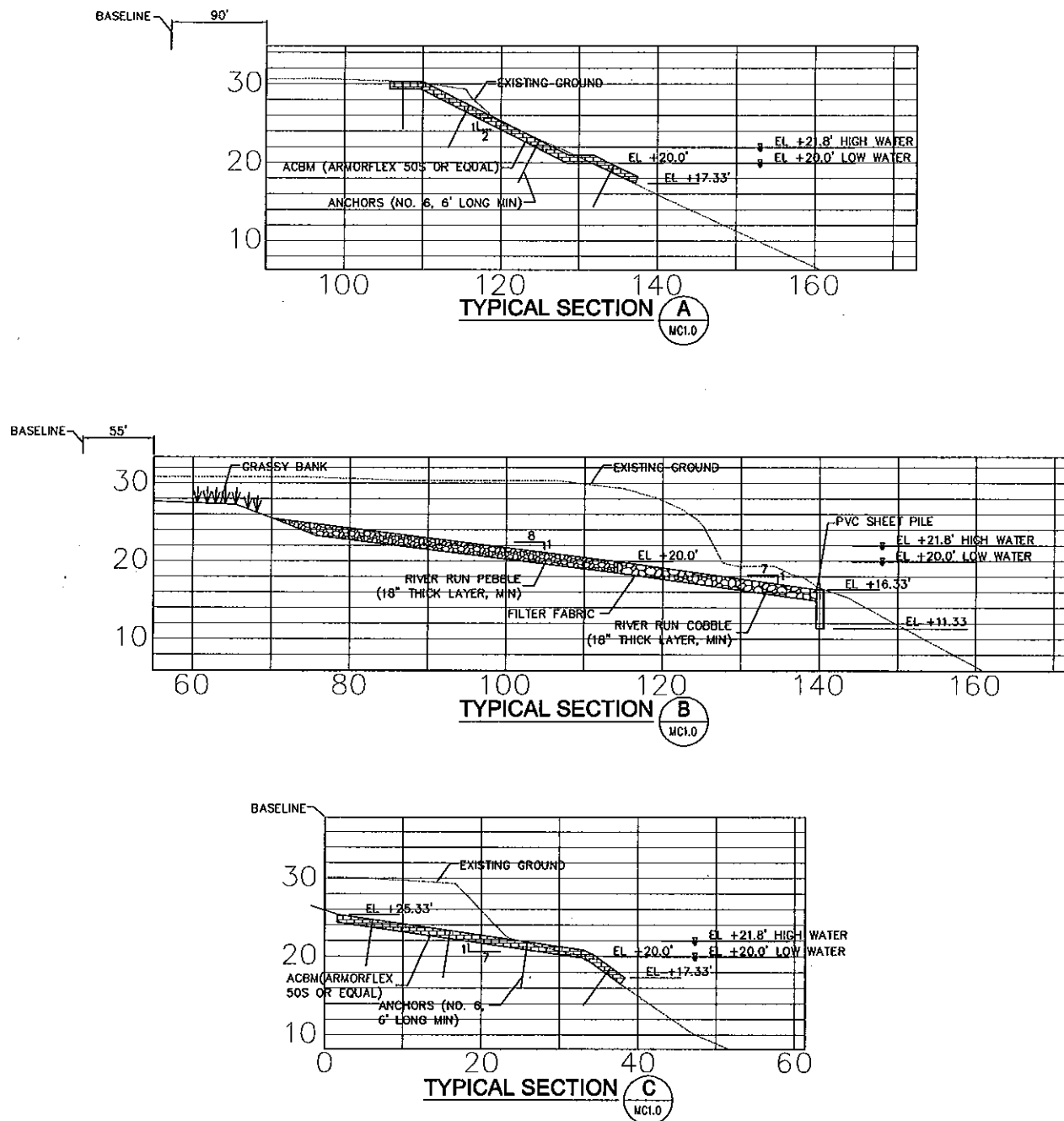
NORTH SLOPE PROTECTION

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FIG. 4-1
Sheet 10 of 15

FIG. 4-1
Sheet 10 of 15

File: J:\211\12163-004\Ref\200500969 Figs\21-1-12163-004 Figs 4-2,4-3,4-4 Sections (Dept. of Army).dwg Layout: Fig 4-2 Date: 09-08-2005, 5:20 PM Author: LR



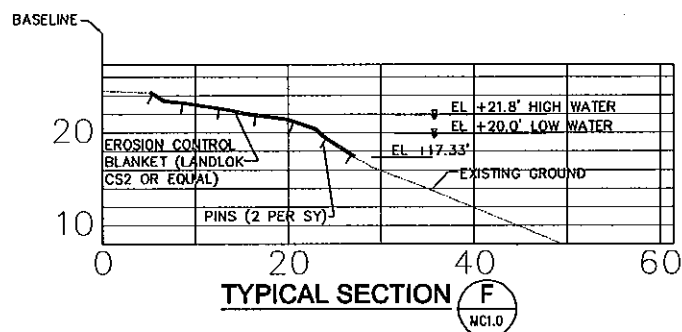
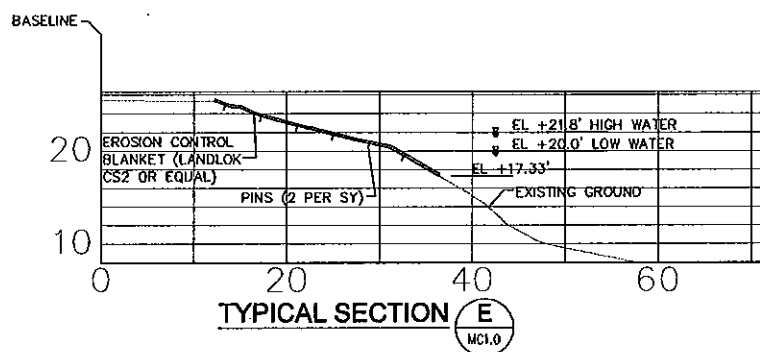
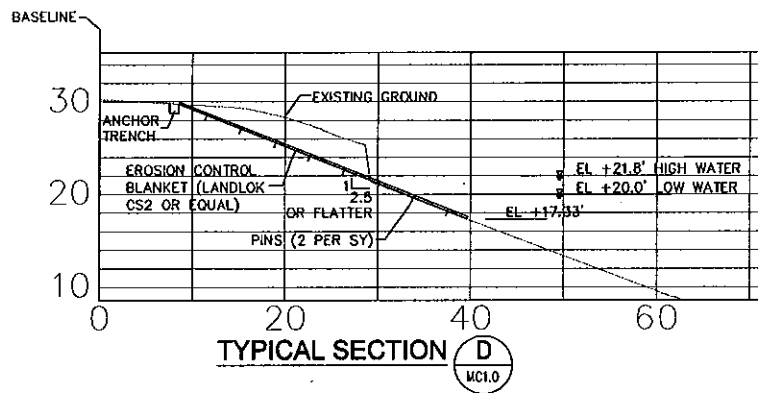
**WATERWAY #3 HABITAT
IMPROVEMENTS / ENHANCEMENTS
(CENTRAL WEST SHORE)**

Reference: 200500969 Date: August, 2005
App. By: Seattle Parks & Recreation
In: Lake Union, Seattle, WA
Proposed Work: Bulkhead Replacement and
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Purpose: Redevelop South Lake Union Park
Datum: COE1919

**CROSS SECTIONS A-A, B-B, AND C-C
WATERWAY #3**

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Geotechnical and Environmental Consultants

FIG. 4-2
Sheet 11 of 15



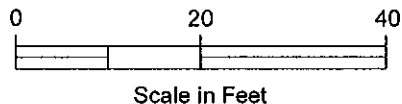
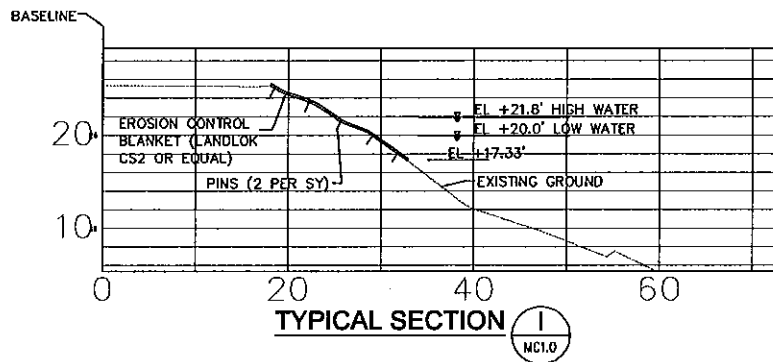
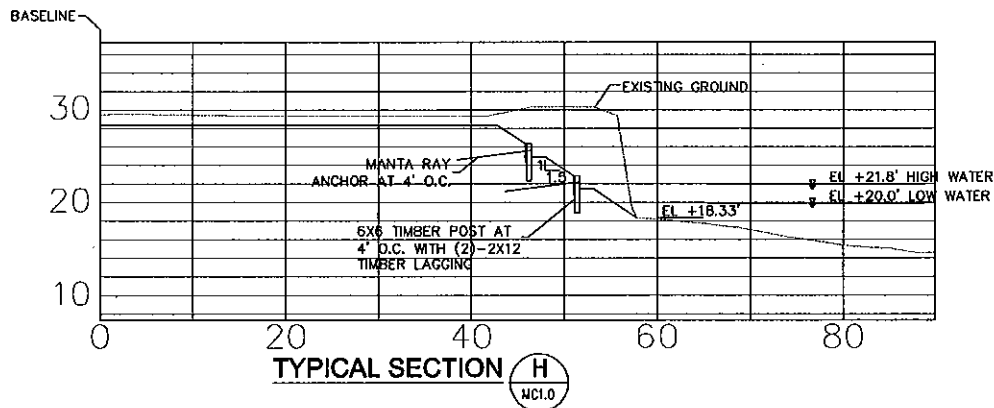
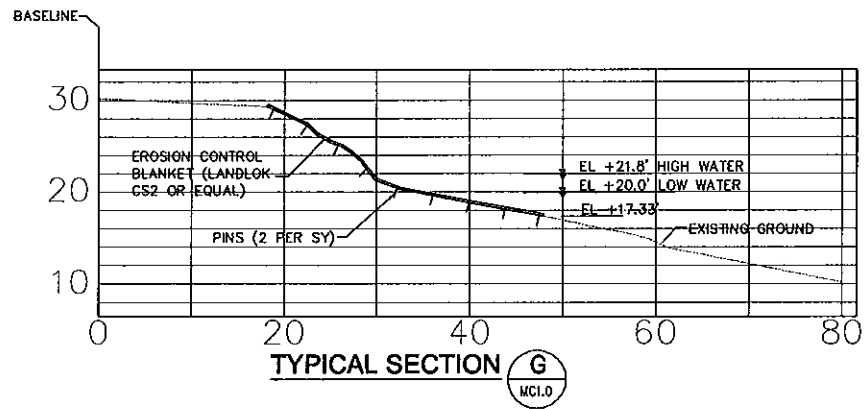
**WATERWAY #3 HABITAT
IMPROVEMENTS / ENHANCEMENTS
(SOUTH AND EAST SHORES)**

Reference: 200500969 Date: August, 2005
App. By: Seattle Parks & Recreation
In: Lake Union, Seattle, WA
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Datum: COE1919

**CROSS SECTIONS D-D, E-E, AND F-F
WATERWAY #3**

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FIG. 4-3
Sheet 12 of 15



WATERWAY #4 HABITAT IMPROVEMENTS / ENHANCEMENTS (SOUTH AND WEST SHORES)

Reference: 200500969 **Date:** August, 2005
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Datum: COE1919

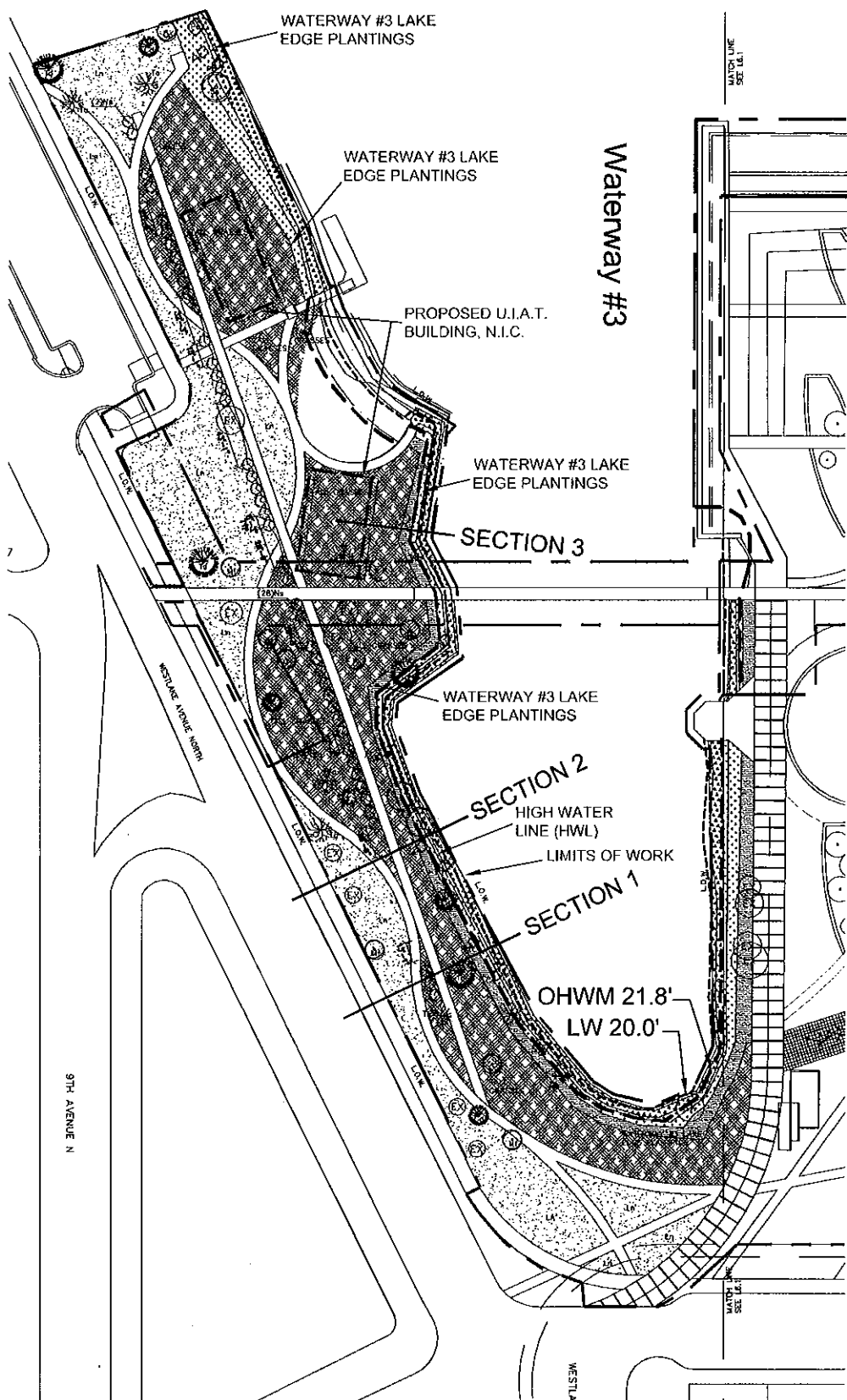
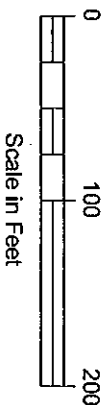
**CROSS SECTIONS G-G, H-H, AND I-I
WATERWAY #4**

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FIG. 4-4
Sheet 13 of 15

FIG. 5-1
Sheet 14 of 15

- PLANTING PLAN KEY:**
- ⊕ EXISTING TREE TO REMAIN
 - ◇ SHRUB
 - ⊙ TREE 1
 - TREE 2
 - ORNAMENTAL TREE
 - CONIFER
 - NATIVE TALL GRASSES
 - LAWN
 - ▨ STRUCTURED LAWN
 - ▨ WET ZONE PLANTING, SEE SHEET 16.4 FOR PLANTING SCHEDULE & LAYOUT.
 - ▨ RIPARIAN ZONE PLANTING, SEE PLANTING SCHEDULE
 - ▨ UPPER BANK PLANTING, SEE WATERWAY #3 LAKE EDGE PLANTING SCHEDULE
 - Low Water Line
 - Ordinary High Water Mark (OHWM)

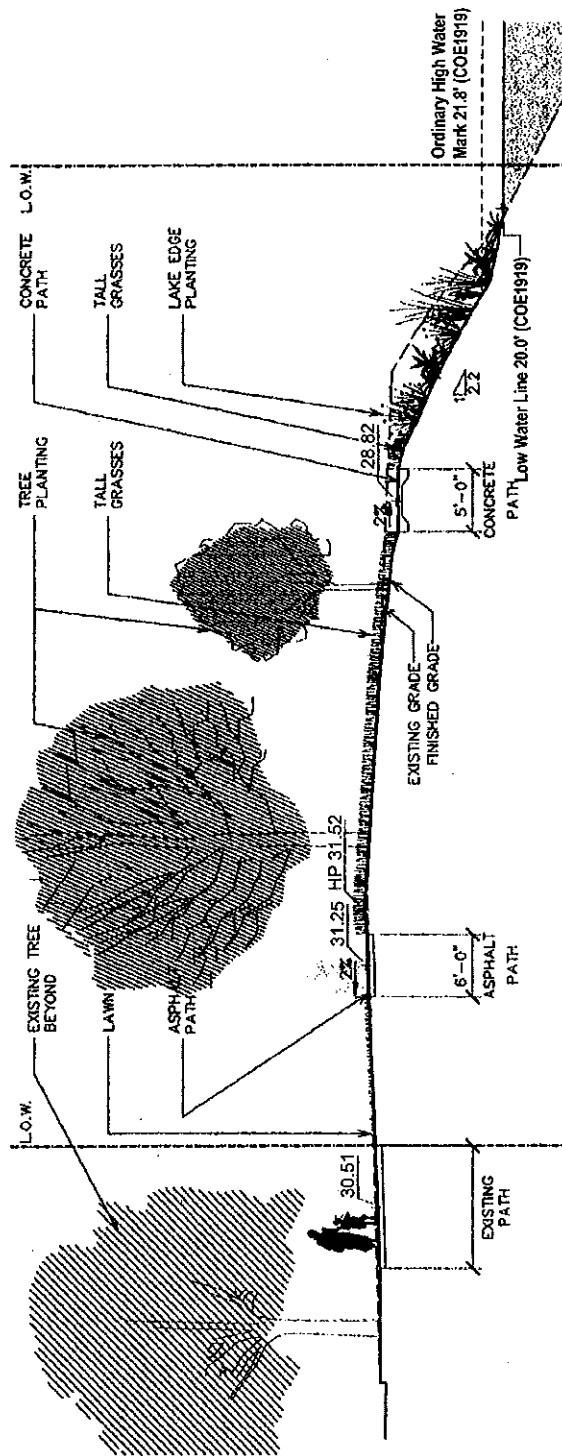


PLANTING PLAN-WATERWAY #3

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Geotechnical and Environmental Consultants

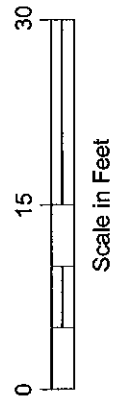
FIG. 5-1
Sheet 14 of 15

Reference: 200500969 **Date:** August, 2005
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Proposed Work: Bulkhead Replacement and Shoreline Cleanup
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Datum: COE1919



WESTLAKE PATHWAYS SECTION 1

6



Reference: 200500969 Date: August, 2005
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 In: Lake Union, Seattle, WA
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 Shoreline Cleanup
 Purpose: Redevelop South Lake Union Park
 Datum: COE1919

TYPICAL SECTION WEST SIDE OF WATERWAY #3

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FIG. 5-2
Sheet 15 of 15



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

*P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006*

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Water Quality Certification
and for
Certification of Consistency with the
Washington Coastal Zone Management Program

Date: September 26, 2005

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200500969 will comply with the Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307© of the Federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the above referenced project will comply with the Washington State Coastal Zone Management Program and that the project will be conducted in a manner consistent with that program.

Any person desiring to present views on the project pertaining to the project on either or both (1) compliance with water pollution control laws or (2) the project's compliance or consistency with the Washington State Coastal Zone Management Program may do so by providing written comments within 30 days of the above publication date to:

Federal Permit Coordinator
Department of Ecology
SEA Program
Post Office Box 47600
Olympia, Washington 98504-7600